

06/03

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	To be assigned- 10/607,082
				Filing Date	June 25, 2003
				First Named Inventor	Jeremy Myles
				Art Unit	To be assigned 2882
				Examiner Name	To be assigned KAO
Sheet	1	of	2	Attorney Docket Number	5513P012

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code* (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.†	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code‡	Number* - Kind Code* (if known)				

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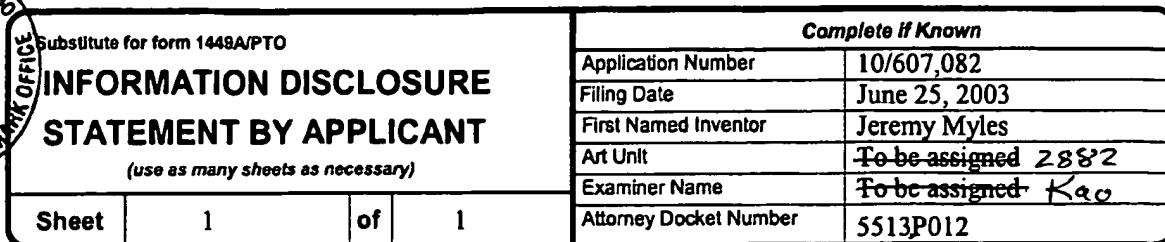
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	To be assigned 14607082
				Filing Date	June 25, 2003
				First Named Inventor	Jeremy Myles
				Art Unit	To be assigned 2882
				Examiner Name	To be assigned Kao
Sheet	2	of	2	Attorney Docket Number	5513P012

Examiner Signature		Date Considered	4/11/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/607,082
Filing Date	June 25, 2003
First Named Inventor:	Jeremy R. Myles
Art Unit	2882
Examiner Name	TBA Kao
Attorney Docket Number	5513.P012

U.S. PATENT DOCUMENTS

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<i>AK</i>		US-	3,133,227	5/12/1964	<i>Danielsson et al.</i> Brown et al.	cl	sub
		US-	3,193,717	7/6/1965	Nunan		
		US-	4,209,706	6/24/1980	Nunan		
		US-	4,726,046	2/16/1988	Nunan		
		US-	5,471,516 5,471,516	11/28/1995	Nunan		
		US-	6,508,586	1/21/03 → 1/1/2003	Oota		
		US-	6,429,578	8/6/02 → 8/1/2002	Danielson et al.		
		US-	6,325,537	12/4/01 → 12/1/2001	Watanabe		
		US-	6,307,914	10/23/01 → 10/1/2001	Kunieda et al.		
		US-	6,104,780	8/15/00 → 8/1/2000	Hanover et al.		
		US-	6,031,888	2/29/00 → 2/1/2000	Ivan et al.		
		US-	5,751,781	5/12/98 → 5/1/1998	Brown et al.		
		US-	5,537,452	7/16/96 → 7/1/1996	Sheepard et al.		
		US-	5,394,452	2/28/95 → 2/1/1995	Swerdloff et al.		
<i>AK</i>		US-	6,144,875	11/7/2000	Schweikard et al.		

Shepherd et al.

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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
<i>AK</i>		EP	0480035 B1	11-9-1994	Hara	cl sub	N

Examiner Signature	<i>AK</i>	Date Considered	4/11/05
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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				Filing Date	June 25, 2003	
				First Named Inventor:	Jeremy R. Myles	
				Art Unit	2882	
				Examiner Name	IDA Kam	
				Attorney Docket Number	5513P012	
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		US-	4,149,247	4/10/1979	Pavkovich et al.	cl sub
		US-	4,149,248	4/10/1979	Pavkovich et al.	
		US-	5,099,505	3/24/1992	Seppi et al.	
		US-	5,117,445	5/26/1992	Seppi et al.	
		US-	5,168,532	12/1/1992	Seppi et al.	
		US-	5,335,255	8/2/1994	Seppi et al.	
		US-	5,692,507	12/2/1997	Seppi et al.	
		US-	6,222,901	4/24/2001	Meulenbrugge et al.	
		US-	2001/0008271	7/19/2001	Ikeda et al.	
		US-	6,041,097	3/21/2000	Roos et al.	
		US-	6,381,302	4/30/2002	Berestov	
		US-	6,385,286	5/7/2002	Fitchard et al.	
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0409

Substitute for Form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/607,082
				Filing Date	June 25, 2003
				First Named Inventor:	Jeremy R. Myles
				Group Art Unit	2882
Examiner Name	TBA Kao				
Sheet	3	of	9	Attorney Docket Number	5513.P012

OTHER ART - NO PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
ek		BALTER, James M. et al., "Daily Targeting of Intrahepatic Tumors for Radiotherapy," Int. J. Radiation Oncology Biol. Phys., vol. 52, no. 1 (2002), pp. 266-271		
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		MIDGLEY, S. et al., "A Feasibility Study for Megavoltage Cone Beam CT Using A Commercial EPID," Phys. Med. Biol., vol. 43 (1998), pp. 155-169		
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		UEMATSU, Minoru et al., "Daily Positioning Accuracy of Frameless Stereotactic Radiation Therapy With a Fusion of Computed Tomography and Linear Accelerator (FOCAL) Unit: Evaluation of Z-Axis With a Z-Marker," Radiotherapy and Oncology, vol. 50, no. 3, March 1999, pp. 337-339		
		UEMATSU, Minoru, M.D. et al., "A Dual Computed Tomography Linear Accelerator Unit for Stereotactic Radiation Therapy: A New Approach Without Cranially Fixated Stereotactic Frames," Int. J. Radiation Oncology Biol. Phys., vol. 35, no. 3 (1996), pp. 587-592		
		UEMATSU, Minoru, M.D. et al., "Intrafractional Tumor Position Stability During Computed Tomography (CT)-Guided Frameless Stereotactic Radiation Therapy for Lung or Liver Cancers With a Fusion of CT and Linear Accelerator (FOCAL) Unit," Int. J. Radiation Oncology Biol. Phys., vol. 48, no. 2 (2000), pp. 443-448		
		JAFFRAY, David A., Ph.D. et al., "A Radiographic and Tomographic Imaging System Integrated Into a Medical Linear Accelerator for Localization of Bone and Soft-Tissue Targets," Int. J. Radiation Oncology Biol. Phys., vol. 45, no. 3 (1999), pp. 773-789		



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0404

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				Application Number	10/607,082
				Filing Date	June 25, 2003
				First Named Inventor:	Jeremy R. Myles
				Group Art Unit	2882
Examiner Name	BB Kao				
Sheet	4	of	9	Attorney Docket Number	5513.P012
OTHER ART - NO PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		PISANI, Laura, M.S. et al., "Setup Error in Radiotherapy: On-line Correction Using Electronic Kilovoltage and Megavoltage Radiographs," Int. J. Radiation Oncology Biol. Phys., vol. 47, no. 3 (2000), pp. 825-839			
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		FELDKAMP, L.A. et al., "Practical Cone-Beam Algorithm," J. Opt. Soc. Am. A., vol. 1, no. 6, June 1984; pp. 612-619			
		SIEWERDSEN, Jeffery H. and JAFFRAY, David A., "Optimization of X-Ray Imaging Geometry (With Specific Application to Flat-Panel Cone-Beam Computed Tomography)," Med. Phys., vol. 27, no. 8, August 2000, pp. 1903-1914			
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		CHO, Paul S. et al., "Cone-Beam CT for Radiotherapy Applications," Phys. Med. Biol., vol. 40 (1995), pp. 1863-1883			



Examiner Signature		Date Considered	11/11/05
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8404

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				Filing Date	June 25, 2003
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				Art Unit	2882
				Examiner Name	TBA K90
Sheet	5	5513P012	9	Attorney Docket Number	5513P012
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		RAGAN, "Correction for Distortion in a Beam Outline Transfer Device in Radiotherapy CT-Based Simulation", Med. Phys. 20 (1), Jan/Feb 1993, pgs. 179-185.			
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		ANDREW et al., "A Video-Based Patient Contour Acquisition System for the Design of Radiotherapy Compensators", Med Phys., 1989, 1 page.			
		REYNOLDS, "An Algorithm for Three-Dimensional Visualization of Radiation Therapy Beams", Med Phys., 1988, 1 page.			

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CK		MOHAN, "Intersection of Shaped Radiation Beams with Arbitrary Image Sections", Comput Methods Programs Biomed, 1987, 1 page.			
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CK		NISHIHARA, "Therapeutic Apparatus", Issued 1991, 2 pages.			
		Jaffray, "Cone-Beam CT: Application in Image Guided External Beam Radiotherapy and Brachytherapy", IEEE, 2000, 2 pages.			
CK		NING et al., "An Image Intensifier-Based Volume Tomographic Angiography Imaging System: System Evaluation," SPIE, Vol. 2432, pages. 280-290			
		"Advanced Workstation for Irregular Field Simulation and Image Matching", Copyright 1999, MDS Nordion, 7 pages.			

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		US-	4,208,675	6/17/1980	Bajon et al.	cl	sub
		US-	4,521,808	6/4/1985	Ong et al.	-	-
		US-	4,593,967	6/10/1986	Haugen	-	-
		US-	4,675,731	6/23/1987	Takasu et al.	-	-
		US-	4,679,076	7/7/1987	Vikterlof et al.	-	-
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		US-	4,825,393	4/25/1989	Nishiya	-	-
		US-	4,853,777	8/1/1989	Hupp	-	-
		US-	4,868,844	9/19/1989	Nunan	-	-
		US-	3,144,552	8/11/1964	Schonberg et al.	-	-
		US-	5,080,100	1/14/1992	Trotel	-	-
		US-				-	-

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T ³
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)					
		PCT	WO 85/03212 A1	8/1/1985	Michaels	cl	sub	N
		EP	0062941 B1	9/26/1984	De Vogel	-	-	-
		EP	0205720 A1	12/30/1986	Brahme	-	-	-
		FR	2 269 745	11/28/1975	Lescrenier	-	-	-
		FR	2 551 664	3/15/1985	Riviere	-	-	N

Examiner Signature	Date Considered 4/11/05
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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/607,082
				Filing Date	June 25, 2003
				First Named Inventor:	Jeremy R. Myles
				Art Unit	2882
				Examiner Name	TBA Kao
Sheet	8	5513P012	9	Attorney Docket Number	5513P012

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US-				
		US-				
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³	
		Country Code ⁴ Number ⁴ Kind Code ⁵ (if known)					
A		DE 42 23 488 A1	1/20/1994	Katosh	1-1	N	
		DE 196 14 643 A1	10/16/1997	Brenneisen	1-1	N	
		JP HEI 5[1993]-57028	3/9/1993	Translated JP patent application	1-1	✓	
E		GB 1328033	8/22/1973	Philips Electronic Assoc.	1-1	N	

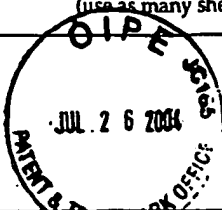
Examiner Signature		Date Considered	4/11/05
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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 005513.P012	Application Number: 10/607,082
	First Named Inventor: Jeremy R. Myles	
	Filing Date: 6/25/03	2882

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
		5,027,818		Bova et al.	7/2/91	
		6,325,758		Carol et al.	12/4/01	
		6,370,421		Williams et al.	4/9/02	
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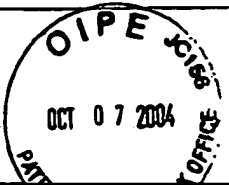
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³ Code ³	Number ⁴	Kind (If known)				

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 005513.P012	Application Number: 10/607,082
	First Named Inventor: Jeremy R. Myles	
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U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
<input checked="" type="checkbox"/>		5,956,382		Wiener-Avnear et al.	9/21/99	—
<input checked="" type="checkbox"/>		2003/0007601A1		Jaffray et al.	1/9/03	—

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		Office ³ Code ³	Number ⁴	Kind (If known)				

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